

Product datasheet for **MC211221**

Pitpnc1 (NM_145823) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pitpnc1 (NM_145823) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pitpnc1
Synonyms:	1110020B03Rik; 5830436L09Rik; A1662802; A1851387; C330017I21Rik; Dnr411; rdgB-beta; RDGGB; RDGGB1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC211221 representing NM_145823 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGCTGCTCAAGGAGTACCGAATCTGCATGCCGCTCACCGTGGACGAGTACAAAATCGGACAGCTGTATA
TGATCAGCAAACACAGCCATGAGCAGAGTGACCGGGGAGAAGGGGTAGAGGTCGTGCAGAACGAGCCCTT
TGAGGACCCTCACCATGGCAACGGGCAGTTCAGTGAAGCGAGTGTATCTCAACAGCAAGCTGCCTAGT
TGGCCAGAGCTGTTGTTCCAAAATATTTTATGTGACCGAGAAGGCGTGAATTATTACCCATACACCA
TCACAGAATACACTTGTCTTCTGCCAAAATCTCCATCCACATAGAAACCAAGTATGAAGACAACAA
GGGAAGCAACGATAGTATTTTTGACAGTGAAGCCAAAGACCTCGAGAGAGAAGTGTGCTTCATCGATATC
GCCTGTGATGAAATTCAGAACGCTACTACAAAGAGTCTGAGGATCCTAAACACTTCAAGTCTGAGAAGA
CAGGCCGAGGGCAGCTAAGAGAAGGCTGGCGAGACAACCATCAACCCATCATGTGCTCCTACAAGCTGGT
CACCGTCAAGTTCGAGGTGTGGGGCCTTCAGACCCGAGTGAACAATTTGTGCACAAGGTGGTCCGAGAC
ATCTTGCTGATTGGACACAGACAGGCCCTTTCGCTGGGTTGATGAGTGGTACGATATGACAATGGATGATG
TTCGGGAATACGAGAAAAACATGCATGAACAAACCAACATAAAAGTTTGAATCAGCACTCCTCCACTGT
GGATGACATAGAGAGCCATGCACAGACCAAGTACATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_145823
Insert Size:	807 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_145823.2 , NP_665822.1
RefSeq Size:	6350 bp
RefSeq ORF:	807 bp
Locus ID:	71795
UniProt ID:	Q8K4R4
Cytogenetics:	11 E1
Gene Summary:	<p>Phosphatidylinositol transfer proteins mediate the monomeric transport of lipids by shielding a lipid from the aqueous environment and binding the lipid in a hydrophobic cavity. Able to transfer phosphatidylinositol in vitro. Isoform 2 specifically binds to phosphatidylinositol but not to other phospholipids and may play a role in the phosphoinositide-mediated signaling in the neural development.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) contains an alternate exon in its 3' coding region, resulting in a frameshift and a premature stop codon, compared to variant 1. It encodes isoform 2, which has a shorter and distinct C-terminus, compared to isoform 1.</p>